Theoretical and Applied Climatology

Vol. 57, 1997

ISSN 0177-798X



Theoretical and Applied Climatology

Honorary and Founding Editor: F. Steinhauser, Wien

Managing Editor: H. Graßl, Geneva

Editorial Board:

A. Arking, Baltimore, Md.

R. Basher, Wellington

Ch. Bernhofer, Tharandt

Th. Foken, Lindenberg

B. W. Forgan, Melbourne

H. Hager, Wien

M. Kuhn, Innsbruck

K.-N. Liou, Salt Lake City, Utah

R. E. Munn, Toronto, Ont.

E. Raschke, Geesthacht-Tesperhude

D. Ruffieux, Payerne

C.-D. Schönwiese, Frankfurt am Main

A. Waldvogel, Zürich

G. Wu, Beijing

Editorial Assistant: G. Schauberger, Wien

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1997 by Springer-Verlag/Wien

Vol. 57, 1997

Alyamani, M. S., Şen, Z.: Spatiotemporal dry and	the 300 hPa Level during NO ₂ Episode Days in
wet Spell Duration Distributions in South-	Athens
western Saudi Arabia	Proedrou, M., Theoharatos, G., Cartalis, C.: Varia-
Blumthaler, M., Ambach, W., Blasbichler, A.:	tions and Trends in Annual and Seasonal Air
Measurements of the Spectral Aerosol Optical	Temperatures in Greece Determined from
Depth using a Sun Photometer 95	Ground and Satellite Measurements 65
Cullather, R. I., Harshvardhan, Campana, K. A.:	Rakovec, J.: Vertical Radar Reflectivity Profiles in
Climatology of Cloud and Radiation Fields in a	Slovenia
Numerical Weather Prediction Model 11	Rotach, M. W., Marinucci, M. R., Wild, M.,
Cunillera, J., Llasat, M. C.: Application of Remote	Tschuck, P., Ohmura, A., Beniston, M.: Nested
Sensing and Multivariate Analysis to the Agro-	Regional Simulation of Climate Change over
climatic Characterization of a Mediterranean	the Alps for the Scenario of a Doubled Green-
Region	house Forcing
Gajić-Čapka, M., Zaninović, K.: Changes in Tem-	Wenzel, A., Kalthoff, N., Fiedler, F.: On the Varia-
perature Extremes and Their Possible	tion of the Energy-Balance Components with
Causes at the SE Boundary of the Alps 89	Orography in the Upper Rhine Valley 1
Gerstengarbe, FW., Werner, P. C.: A Method to	Yao, C. S.: A new Method of Cluster Analysis for
Estimate the Statistical Confidence of Cluster	Numerical Classification of Climate
Separation	Zeng, W., Heilman, J. L.: Sensitivity of Evapotrans-
Jury, M. R.: Inter-Annual Climate Modes over	ypiration of Cotton and Sorghum in West Texas
Southern Africa from Satellite Cloud OLR	to Changes in Climate and CO ₂
1975–1994	Zhang, X., Corte-Real, J., Wang, X. L.: Low-
Kamara, S. I., Jackson, I. J.: Identification of	Frequency Oscillations in the Northern
Agro-Hydrologic Regions in Sierra Leone 49	Hemisphere
Karlsson, KG.: Cloud Climate Investigations in	
the Nordic Region Using NOAA AVHRR Data 181	
Low, T. B., Hudak, D. R.: Development of Air	
Mass Climatology Analysis for the Determina-	Short Communication
tion of Characteristic Marine Atmospheres.	
Part I: North Atlantic	Schönwiese, CD., Denhard, M., Grieser, J.,
Mills, G.: An Urban Canopy-Layer Climate	Walter, A.: Assessments of the Global An-
Model	thropogenic Greenhouse and Sulfate Signal
Pissimanis, D. K., Notaridou, V. A., Kaltsounidis,	using Different Types of Simplified Climate
N. A., Karras, G. S.: On the Vorticity Patterns at	Models